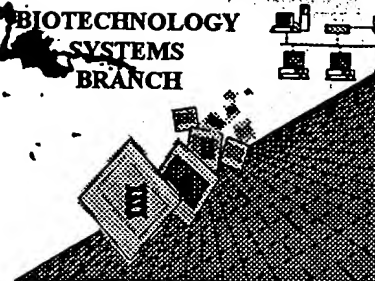


R. Leman

# RAW SEQUENCE LISTING ERROR REPORT



PH#7

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/374, 721

Art Unit / Team No. :

1645

Date Processed by STIC:

5/9/2000

RECEIVED  
MAY 23 2000  
TC 1606 MAIL ROOM

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/324,721

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

- 1      Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2      Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3      Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4      Misaligned Amino Acid      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5      Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6      Variable Length      Sequence(s)      contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
- 7      PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)                     . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence.
- 8      Skipped Sequences      Sequence(s)      missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      **(2) INFORMATION FOR SEQ ID NO:X:**  
                                 **(i) SEQUENCE CHARACTERISTICS:**(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
                                 **(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:**  
                                 **This sequence is intentionally skipped**  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9      Skipped Sequences      Sequence(s)      missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      **<210> sequence id number**  
                                 **<400> sequence id number**  
                                 **000**
- 10      Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11      Use of <213>Organism      Sequence(s)                      are missing this mandatory field or its response.  
(NEW RULES)
- 12 J Use of <220>Feature      Sequence(s)                      are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13      PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted  
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

R. Leman

1645

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/374,721

DATE: 05/09/2000  
TIME: 06:35:14

Input Set: I374721.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

1 <110> APPLICANT: Kenten, John H.  
2 Roberts, Steven  
3 Lohnas, Gerald  
4 <120> TITLE OF INVENTION: HEAT SHOCK FUSION-BASED VACCINE SYSTEM  
5 <130> FILE REFERENCE: CIP OF IGN-9601  
6 <140> CURRENT APPLICATION NUMBER: US/09/374,721  
7 <141> CURRENT FILING DATE: 1999-08-13  
8 <150> EARLIER APPLICATION NUMBER: 09/026,276  
9 <151> EARLIER FILING DATE: 1998-02-19  
10 <160> NUMBER OF SEQ ID NOS: 35  
11 <170> SOFTWARE: PatentIn Ver. 2.0  
12 <210> SEQ ID NO 1  
13 <211> LENGTH: 35  
14 <212> TYPE: PRT  
15 <213> ORGANISM: Artificial Sequence  
16 <220> FEATURE:  
17 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
18 antigen  
19 <400> SEQUENCE: 1  
20 Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile His Ile Gly Pro  
21 1 5 10 15  
22 Gly Arg Ala Phe Tyr Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln  
23 20 25 30  
24 Ala His Cys  
25 35  
26 <210> SEQ ID NO 2  
27 <211> LENGTH: 15  
28 <212> TYPE: PRT  
29 <213> ORGANISM: Artificial Sequence  
30 <220> FEATURE:  
31 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
32 antigen  
33 <400> SEQUENCE: 2  
34 Lys Arg Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Lys  
35 1 5 10 15  
36 <210> SEQ ID NO 3  
37 <211> LENGTH: 17  
38 <212> TYPE: PRT  
39 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
42 antigen  
43 <400> SEQUENCE: 3  
44 Cys Lys Ser Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Gly

Does Not Comply  
Corrected Diskette Needed

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/374,721

DATE: 05/09/2000  
TIME: 06:35:14

Input Set: I374721.RAW

45	1	5	10	15
46	Cys			
47	<210> SEQ ID NO 4			
48	<211> LENGTH: 50			
49	<212> TYPE: DNA			
50	<213> ORGANISM: Artificial Sequence			
51	<220> FEATURE:			
52	<223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer			
53	<400> SEQUENCE: 4			
54	ttaagactgc gtggcgccga ccaggttcac ttccagccgc tgccgccggc			50
55	<210> SEQ ID NO 5			
56	<211> LENGTH: 37			
57	<212> TYPE: DNA			
58	<213> ORGANISM: Artificial Sequence			
59	<400> SEQUENCE: 5			
60	tggtgttaaa ctgtctgacg ctctgtaagc ttctgca			37
61	<210> SEQ ID NO 6			
62	<211> LENGTH: 43			
63	<212> TYPE: DNA			
64	<213> ORGANISM: Artificial Sequence			
65	<220> FEATURE:			
66	<223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer			
67	<400> SEQUENCE: 6			
68	gaagcttaca gagcgtcaga cagtttaaca acagccggcg gca			43
69	<210> SEQ ID NO 7			
70	<211> LENGTH: 36			
71	<212> TYPE: DNA			
72	<213> ORGANISM: Artificial Sequence			
73	<220> FEATURE:			
74	<223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer			
75	<400> SEQUENCE: 7			
76	gcggctggaa gtgaacctgg tcgccgccac gcagtc			36
77	<210> SEQ ID NO 8			
78	<211> LENGTH: 50			
79	<212> TYPE: DNA			
80	<213> ORGANISM: Artificial Sequence			
81	<220> FEATURE:			
82	<223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer			
83	<400> SEQUENCE: 8			
84	ttaagactgc gtggcgctga ccaggttcac ttccagccgc tgccgccggc			50
85	<210> SEQ ID NO 9			
86	<211> LENGTH: 36			
87	<212> TYPE: DNA			
88	<213> ORGANISM: Artificial Sequence			
89	<220> FEATURE:			
90	<223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer			
91	<400> SEQUENCE: 9			
92	gcggctggaa gtgaacctgg tcagcgccac gcagtc			36
93	<210> SEQ ID NO 10			
94	<211> LENGTH: 55			

*See Item 12 on EPO Summary Sheet*

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/374,721DATE: 05/09/2000  
TIME: 06:35:14

Input Set: I374721.RAW

95 <212> TYPE: DNA  
96 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
98 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
99 <400> SEQUENCE: 10  
100 aagaaatcca catcggtccg ggtcgtgctt tctacaccac catcccgccg gatca 55  
101 <210> SEQ ID NO 11  
102 <211> LENGTH: 54  
103 <212> TYPE: DNA  
104 <213> ORGANISM: Artificial Sequence  
105 <220> FEATURE:  
106 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
107 <400> SEQUENCE: 11  
108 atccggcggg atggtggtgt agaaagcacg acccgaccg atgtggattt cttt 54  
109 <210> SEQ ID NO 12  
110 <211> LENGTH: 33  
111 <212> TYPE: DNA  
112 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
115 <400> SEQUENCE: 12  
116 ttaagactgc gtggcggcat ccacatcggt ccg 33  
117 <210> SEQ ID NO 13  
118 <211> LENGTH: 29  
119 <212> TYPE: DNA  
120 <213> ORGANISM: Artificial Sequence  
121 <220> FEATURE:  
122 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
123 <400> SEQUENCE: 13  
124 ggtcgtgctt tctacaccac ctaactgca 29  
125 <210> SEQ ID NO 14  
126 <211> LENGTH: 34  
127 <212> TYPE: DNA  
128 <213> ORGANISM: Artificial Sequence  
129 <220> FEATURE:  
130 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
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132 gtaggtggt gtagaaagca cgacccggac cgat 34  
133 <210> SEQ ID NO 15  
134 <211> LENGTH: 20  
135 <212> TYPE: DNA  
136 <213> ORGANISM: Artificial Sequence  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
139 <400> SEQUENCE: 15  
140 gtggatgccg ccacgcagtc 20  
141 <210> SEQ ID NO 16  
142 <211> LENGTH: 12  
143 <212> TYPE: PRT  
144 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/374,721DATE: 05/09/2000  
TIME: 06:35:14

Input Set: I374721.RAW

145 <220> FEATURE:  
146 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
147 antigen  
148 <400> SEQUENCE: 16  
149 Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr  
150 1 5 10  
151 <210> SEQ ID NO 17  
152 <211> LENGTH: 19  
153 <212> TYPE: PRT  
154 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
157 antigen  
158 <400> SEQUENCE: 17  
159 Asp Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu Ser  
160 1 5 10 15  
161 Asp Ala Leu  
162 <210> SEQ ID NO 18  
163 <211> LENGTH: 22  
164 <212> TYPE: PRT  
165 <213> ORGANISM: Artificial Sequence  
166 <220> FEATURE:  
167 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
168 antigen  
169 <400> SEQUENCE: 18  
170 Lys Glu Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe  
171 1 5 10 15  
172 Met Leu Cys Ile Pro Pro  
173 20  
174 <210> SEQ ID NO 19  
175 <211> LENGTH: 22  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Artificial Sequence  
178 <220> FEATURE:  
179 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
180 antigen  
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183 1 5 10 15  
184 Met Leu Cys Met Pro Pro  
185 20  
186 <210> SEQ ID NO 20  
187 <211> LENGTH: 20  
188 <212> TYPE: PRT  
189 <213> ORGANISM: Artificial Sequence  
190 <220> FEATURE:  
191 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide  
192 antigen  
193 <400> SEQUENCE: 20  
194 Lys Glu Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe Met Leu

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/374,721**

 DATE: 05/09/2000  
 TIME: 06:35:14

Input Set: I374721.RAW

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195          1          5          10          15
196      Cys Ile Pro Pro
197          20
198  <210> SEQ ID NO 21
199  <211> LENGTH: 17
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201  <213> ORGANISM: Artificial Sequence
202  <220> FEATURE:
203  <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide
204      antigen
205  <400> SEQUENCE: 21
206      Lys Glu Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe Met Pro
207          1          5          10          15
208      Pro
209  <210> SEQ ID NO 22
210  <211> LENGTH: 31
211  <212> TYPE: PRT
212  <213> ORGANISM: Artificial Sequence
213  <220> FEATURE:
214  <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide
215      antigen
216  <400> SEQUENCE: 22
217      Arg Gly Gly Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp
218          1          5          10          15
219      Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
220          20          25          30
221  <210> SEQ ID NO 23
222  <211> LENGTH: 11
223  <212> TYPE: PRT
224  <213> ORGANISM: Artificial Sequence
225  <220> FEATURE:
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228  <400> SEQUENCE: 23
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230          1          5          10
231  <210> SEQ ID NO 24
232  <211> LENGTH: 23
233  <212> TYPE: PRT
234  <213> ORGANISM: Artificial Sequence
235  <220> FEATURE:
236  <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide
237      antigen
238  <400> SEQUENCE: 24
239      Arg Gly Ala Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys
240          1          5          10          15
241      Asp Thr Ile Val Ala Asn Pro
242          20
243  <210> SEQ ID NO 25
244  <211> LENGTH:

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**VERIFICATION SUMMARY**  
**PATENT APPLICATION US/09/374,721**

DATE: 05/09/2000  
TIME: 06:35:14

Input Set: I374721.RAW

Line ? Error/Warning

Original Text

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248 W Line data has been corrected

334 W Line data has been corrected